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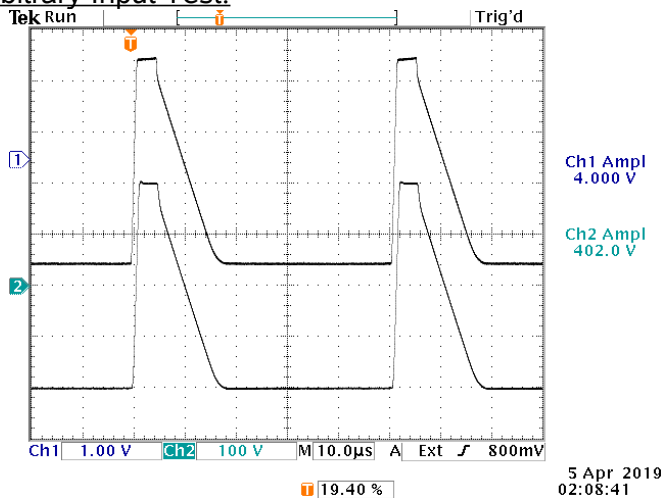
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BOX 5120, LCD MERIVALE  
OTTAWA, CANADA K2C3H5

PERFORMANCE CHECKSHEET

Model: AV-112AH-PS  
Type: High-Voltage Variable-Gain Linear Amplifier  
S.N.: 13862  
Date: April 9, 2019

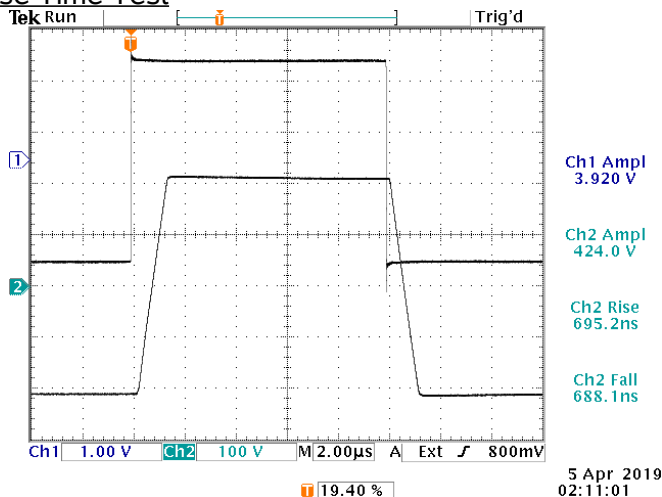
Arbitrary Input Test:



Top: Input,  $\pm 2V$  amplitude. 1 V/div, 10 us/div  
Bottom: Output,  $\pm 200V$ , to 1.2 k $\Omega$ . 100V/div, 10 us/div.

- a) Output Signal Amplitude: 0 to  $\pm 200V$  to  $R \geq 1.2 k\Omega$
- b) Gain:  $< +1$  to  $> +100$
- c) Rise Time (20%-80%):  $\leq 1 us$  (into  $R \geq 1.2 k\Omega$ )
- d) Fall Time (80%-20%):  $\leq 1 us$  (into  $R \geq 1.2 k\Omega$ )
- e) PRF: DC - 300 kHz
- f) Jitter, Stability: OK
- g) Prime Power: 100-240V, 50-60 Hz.

Rise Time Test



Top: Input,  $\pm 2V$  amplitude. 1 V/div, 2 us/div.  
Bottom: Output, maximum output ( $> \pm 200V$ ), into 1.2 k $\Omega$ . 100V/div, 2 us/div.

References levels: 20%, 80%.